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Integrated Capacitor-Like Battery

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and Associated Method

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Abstract of the Disclosure

6 A method and system for fabricating solid-state energy-storage and energy-
7 conversion devices including fabrication of films for devices without an anneal step,
8 especially for the fabrication of supercapacitors and photovoltaic cells. A film is
9 fabricated by depositing a first material layer to a location. Energy is supplied
10 directly to the material forming the film. The energy can be in the form of
11 energized ions of a second material. Supplying energy directly to the material
12 and/or the film being deposited assists the growth of the crystalline structure of the
13 film and controls stoichiometry.